

Title (en)
AQUEOUS RADIATION CURABLE POLYURETHANE COMPOSITIONS

Title (de)
WÄSSRIGE STRAHLENHÄRTBARE POLYURETHANZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS AQUEUSES DE POLYURÉTHANE DURCISSABLES PAR UN RAYONNEMENT

Publication
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Application
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Priority

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Abstract (en)
[origin: EP1845143A1] The invention relates to radiation-curable aqueous composition comprising an ethylenically unsaturated polyurethane pre-polymer obtained from the reaction of a polyisocyanate, a high molecular weight polyol, at least one hydrophilic compound containing at least one reactive group capable to react with isocyanate groups and which is capable to render the polyurethane pre-polymer dispersible in aqueous medium either directly or after the reaction with a neutralizing agent to provide a salt, an ethylenically unsaturated compound containing at least two reactive groups capable to react with isocyanate groups and an ethylenically unsaturated compound containing essentially one reactive group capable to react with isocyanate groups, said composition comprising an amount of polymerizable ethylenically unsaturated groups of at least 3 meq per g.

IPC 8 full level
C09D 175/16 (2006.01)

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B29C 64/124 (2017.07 - US); **B33Y 70/00** (2014.12 - EP); **C08F 290/14** (2013.01 - KR); **C08G 18/0823** (2013.01 - EP US); **C08G 18/67** (2013.01 - KR); **C08G 18/673** (2013.01 - EP US); **C08G 18/683** (2013.01 - EP US); **C08J 3/28** (2013.01 - US); **C09D 4/00** (2013.01 - KR); **C09D 5/00** (2013.01 - KR); **C09D 175/06** (2013.01 - KR); **C09D 175/14** (2013.01 - EP US); **C09D 175/16** (2013.01 - US); **B29K 2023/04** (2013.01 - US); **B29K 2023/10** (2013.01 - US); **B29K 2069/00** (2013.01 - US); **B29K 2075/00** (2013.01 - US); **C08J 2375/16** (2013.01 - EP US); **C08L 75/16** (2013.01 - EP US); **Y10T 428/31551** (2015.04 - EP US); **Y10T 428/31554** (2015.04 - EP US); **Y10T 428/31591** (2015.04 - EP US); **Y10T 428/31598** (2015.04 - EP US); **Y10T 428/31601** (2015.04 - EP US); **Y10T 428/31605** (2015.04 - EP US)

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US 5336716 A 19940809 - KAPPES ELISABETH [DE], et al

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EP4177282A1; WO2023078591A1

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